

Problem 2

- a) No, you can only transmit one packet at a time over a shared bus.
- b) No, as discussed in the text, only one memory read/write can be done at a time over the shared system bus.
- c) No, in this case the two packets would have to be sent over the same output bus at the same time, which is not possible.

Problem 8

223.1.17.0/26
223.1.17.128/25
223.1.17.192/28

Problem 11

Any IP address in range 128.119.40.128 to 128.119.40.191

Four equal size subnets: 128.119.40.64/28, 128.119.40.80/28, 128.119.40.96/28, 128.119.40.112/28